

**CLEAN VERSION OF AMENDED CLAIMS - 0Z 53037**

3. Process as claimed in claim 1, wherein an electrically neutral nickel complex compound is used as the complex compound of the general formula I a and/or I b.
4. Process as claimed in claim 2, wherein the activator a2) is an olefin complex of rhodium or nickel.
5. Process as claimed in claim 1, wherein ethylene is used exclusively as olefin.
6. Process as claimed in claim 1, wherein at least two olifins selected from the group comprising ethylene, propylene, 1-butene, 1-hexene and styrene are used.
8. Process as claimed in claim 1, where anionic, cationic and/or nonionic emulsifiers are employed as the dispersing agents b).
9. Process as claimed in claim 1, wherein aliphatic and aromatic hydrocarbons, fatty alcohols and/or fatty acid esters are used as the organic solvents c).
10. Process as claimed in claim 1, wherein the portion or the total quantity of the olefinically unsaturated compounds and/or of the organic solvents c) having low solubility in water which contains the metal complexes a1) in solution and which is present in the aqueous medium as a disperse phase having an average droplet diameter  $\leq$  1,000 nm contains further components.
11. Aqueous polymer dispersion prepared by a process as claimed in claim 1

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INDEXED  
MAILED  
FILED  
JULY 1998  
PCT/US98/03037